USPTO

THE ACM DIGITAL LIBRARY

🔊 Feedback
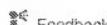
("content distribution network") and (master or control or leader or captain)
Published from January 1994 to December 2003

Found 17 of 240,237

Terms used: content distribution
network master control leader captain

Sort results by	relevance	◆ Save results to a Binder
Display results	expanded form	☐ Open results in a new window

Refine these results with Advanced Search
Try this search in The ACM Guide

Results 1 - 17 of 17

1   Escrow services and incentives in peer-to-peer networks
Bill Horne, Benny Pinkas, Tomas Sander
October 2001 EC '01: Proceedings of the 3rd ACM conference on Electronic Commerce
Publisher: ACM

Additional Information: full citation, abstract, references, cited by, index terms

Full text available: 📄 pdf(265.69 KB)

Distribution of content, such as music, remains one of the main drivers of P2P development. Subscription-based services are currently receiving a lot of attention from the content industry as a viable business model for P2P content distribution. One ...

2   Dynamic parallel access to replicated content in the internet
Pablo Rodriguez, Ernst W. Biersack
August 2002 IEEE/ ACM Transactions on Networking (TON),   Volume 10 Issue 4
Publisher: IEEE Press

Additional Information: full citation, abstract, references, cited by, index terms

Full text available: 📄 pdf(350.99 KB)

Popular content is frequently replicated in multiple servers or caches in the Internet to offload origin servers and improve end-user experience. However, choosing the best server is a nontrivial task and a bad choice may provide poor end user experience. ...

Keywords: HTTP, content distribution, internet, mirroring, parallel access, peer-to-peer, replication, web

3   In search of path diversity in ISP networks
Renata Teixeira, Keith Marzullo, Stefan Savage, Geoffrey M. Voelker

October 2003 I MC '03: Proceedings of the 3rd ACM SIGCOMM conference on
        Internet measurement
Publisher: ACM

Additional Information: full citation, abstract,
references, cited by, index
terms

Full text available: pdf(98.02 KB)

Internet Service Providers (ISPs) can exploit path diversity to balance
load and improve robustness. Unfortunately, it is difficult to evaluate the
potential impact of these approaches without routing and topological
data, which are confidential. In ...

Keywords: internet topology, path diversity

4   On the use and performance of content distribution networks
Balachander Krishnamurthy, Craig Wills, Yin Zhang
November 2001 I MW '01: Proceedings of the 1st ACM SIGCOMM Workshop
        on Internet Measurement
Publisher: ACM

Additional Information: full citation, abstract, references,
cited by, index terms

Full text available: pdf(2.51 MB)

Content distribution networks (CDNs) are a mechanism to deliver
content to end users on behalf of origin Web sites. Content distribution
offloads work from origin servers by serving some or all of the contents
of Web pages. We found an order of magnitude ...

5   On the number of distributed measurement points for network
tomography
Joseph D. Horton, Alejandro López-Ortiz
October 2003 I MC '03: Proceedings of the 3rd ACM SIGCOMM conference on
        Internet measurement
Publisher: ACM

Additional Information: full citation, abstract,
references, cited by, index
terms

Full text available: pdf(169.14 KB)

Internet topology information is only made available in aggregate form
by standard routing protocols. Connectivity information and latency
characteristics must therefore be inferred using indirect techniques. In
this paper we consider measurements using ...

Keywords: NP-hard, approximation algorithms, internet tomography,
network measurements, resilient overlay networks, topology discovery

6   Design and implementation of a distributed content management
system
C. D. Cranor, R. Ethington, A. Sehgal, D. Shur, C. Sreenan, J. E. van der
Merwe
June 2003 NOSSDAV '03: Proceedings of the 13th international workshop
        on Network and operating systems support for digital audio and
        video
Publisher: ACM

Full text available: 📄 pdf(98.80 KB) Additional Information: full citation, abstract, references, index terms

The convergence of advances in storage, encoding, and networking technologies has brought us to an environment where huge amounts of continuous media content is routinely stored and exchanged between network enabled devices. Keeping track of (or managing) ...

Keywords: continuous media storage, distributed content management

7 Mobile streaming media CDN enabled by dynamic SMIL

Takeshi Yoshimura, Yoshifumi Yonemoto, Tomoyuki Ohya, Minoru Etoh, Susie Wee
May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web
Publisher: ACM

Additional Information: full citation, abstract, references, cited by, index terms

Full text available: 📄 pdf(623.98 KB)

In this paper, we present a mobile streaming media CDN (Content Delivery Network) architecture in which content segmentation, request routing, pre-fetch scheduling, and session handoff are controlled by SMIL (Synchronized Multimedia Integrated Language) ...

Keywords: CDN, SMIL, mobile network, streaming media

8 Cooperative leases: scalable consistency maintenance in content distribution networks

Anoop Ninan, Purushottam Kulkarni, Prashant Shenoy, Krithi Ramamritham, Renu Tewari
May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web
Publisher: ACM

Additional Information: full citation, abstract, references, cited by, index terms

Full text available: 📄 pdf(201.14 KB)

In this paper, we argue that cache consistency mechanisms designed for stand-alone proxies do not scale to the large number of proxies in a content distribution network and are not flexible enough to allow consistency guarantees to be tailored to object ...

Keywords: content distribution networks, data consistency, data dissemination, dynamic data, leases, pullC, push, scalability, world wide web

9 Dynamic program insertion in high quality video over IP

Taehyun Kim, Jack Brassil
June 2003 NOSSDAV '03: Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video
Publisher: ACM

Full text available: Additional Information: full citation, abstract,

🔲 pdf(269.10 KB)   references, index terms

We introduce an overlay network architecture and signaling mechanism that permit program insertions in live, high quality video streams transmitted over IP networks. We describe the implementation of an application proxy that dynamically inserts pre-recorded ...

Keywords: content delivery networks (CDNs), digital television (DTV), multimedia signaling, program and system information protocol (PSIP), program cues, real-time transport protocol (RTP), video streaming

10 Modeling redirection in geographically diverse server sets
Lisa Amini, Anees Shaikh, Henning Schulzrinne
May 2003 WWW '03: Proceedings of the 12th international conference on World Wide Web
Publisher: ACM

Additional Information: full citation, abstract,
Full text available: 🔲 pdf(362.44 KB)   references, cited by, index terms

Internet server selection mechanisms attempt to optimize, subject to a variety of constraints, the distribution of client requests to a geographically and topologically diverse pool of servers. Research on server selection has thus far focused primarily ...

Keywords: content distribution network (CDN), performance, server selection, web traffic redirection

11 Scalable techniques for memory-efficient CDN simulations
Purushottam Kulkarni, Prashant Shenoy, Weibo Gong
May 2003 WWW '03: Proceedings of the 12th international conference on World Wide Web
Publisher: ACM

Full text available: 🔲 pdf(238.28 KB)   Additional Information: full citation, abstract,
                                        references, index terms

Since CDN simulations are known to be highly memory-intensive, in this paper, we argue the need for reducing the memory requirements of such simulations. We propose a novel memory-efficient data structure that stores cache state for a small subset of ...

Keywords: approximate data structures, content distribution networks, simulation, web proxy cache

12 A measurement-based analysis of multihoming
Aditya Akella, Bruce Maggs, Srinivasan Seshan, Anees Shaikh, Ramesh Sitaraman
August 2003 SIGCOMM '03: Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications
Publisher: ACM

Additional Information: full citation, abstract,
Full text available: 🔲 pdf(386.82 KB)   references, cited by, index terms

Multihoming has traditionally been employed by stub networks to enhance the reliability of their network connectivity. With the advent of commercial "intelligent route control" products, stubs now leverage multihoming to improve performance. Although ...

13 A mobility-aware broadcasting infrastructure for a wireless internet with hotspots
Cristian Hesselman, Henk Eertink, Ing Widya, Erik Huizer
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots
Publisher: ACM

Full text available: 📄 pdf(292.13 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we consider the problem of adaptively delivering live multimedia broadcasts (e.g., for applications such as TV, radio, or e-cinema) to a potentially large number of mobile hosts that roam about in a wireless internet with hotspots. We ...

Keywords: hotspots/overlays, mobility, multimedia broadcasting, negotiation

14 Application level hand-off support for mobile media transcoding sessions
Sumit Roy, Bo Shen, Vijay Sundaram, Raj Kumar
May 2002 NOSSDAV '02: Proceedings of the 12th international workshop on Network and operating systems support for digital audio and video
Publisher: ACM

Full text available: 📄 pdf(222.88 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Media transcoding can be used to enable mobile devices that have low resolution and low bit-rate capabilities to access content created for stationary, desktop clients with high bandwidth connections. By deploying transcoding servers near the edge of ...

Keywords: hand-off, mobility, transcoding

15 Efficient and scalable on-demand data streaming using UEP codes
Lihao Xu
October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM international conference on Multimedia
Publisher: ACM

Full text available: 📄 pdf(1.64 MB)   Additional Information: full citation, abstract, references, cited by, index terms

In this paper, we propose and analyze a new multicast scheme for delivering on-demand streaming data using UEP *UnEqual Protection* codes. The scheme allows an end user to join the multicast channel for adata stream at ,*any* time to play out ...

Keywords: UEP code, efficiency, multicast, on-demand streaming data, scalability

16 Architecture of a quality based intelligent proxy (QBIX) for MPEG-4 videos

Peter Schojer, Laszlo Böszörmenyi, Hermann Hellwagner, Bernhard Penz, Stefan Podlipnig

May 2003 WWW '03: Proceedings of the 12th international conference on World Wide Web

Publisher: ACM

Additional Information: full citation, abstract, references, cited by, index terms

Full text available: pdf(296.15 KB)

Due to the increasing availability and use of digital video data on the Web, video caching will be an important performance factor in the future WWW. We propose an architecture of a video proxy cache that integrates modern multimedia and communication ...

Keywords: LRU, MPEG-4, MPEG-7, RTP, RTSP, media adaptation, media gateway, replacement, video caching, video proxy

17 N for the price of 1: bundling web objects for more efficient content delivery

Craig E. Wills, Mikhail Mikhailov, Hao Shang

April 2001 WWW '01: Proceedings of the 10th international conference on World Wide Web

Publisher: ACM

Full text available: pdf(208.61 KB)   Additional Information: full citation, references, cited by, index terms

Keywords: HTTP, delta encoding, persistent connections, web performance

Results 1 - 17 of 17